FIG. 1

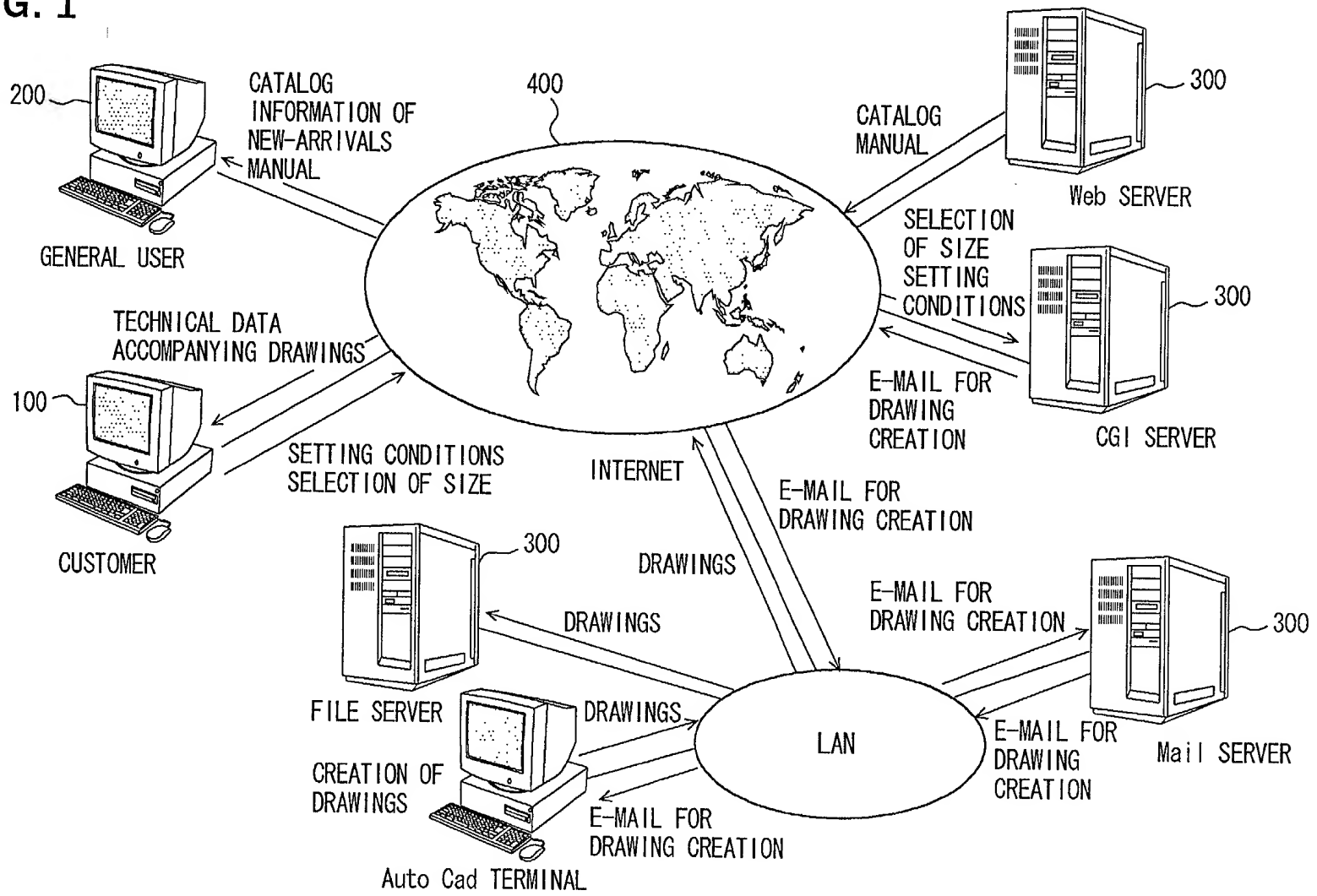

200
CATALOG INFORMATION OF NEW-ARRIVALS MANUAL
400
300
CATALOG MANUAL
Web SERVER
GENERAL USER
SELECTION OF SIZE SETTING CONDITIONS
300
TECHNICAL DATA ACCOMPANYING DRAWINGS
100
E-MAIL FOR DRAWING CREATION
CGI SERVER
SETTING CONDITIONS SELECTION OF SIZE
INTERNET
E-MAIL FOR DRAWING CREATION
CUSTOMER
300
DRAWINGS
E-MAIL FOR DRAWING CREATION
300
DRAWINGS
FILE SERVER
DRAWINGS
LAN
E-MAIL FOR DRAWING CREATION
Mail SERVER
CREATION OF DRAWINGS
E-MAIL FOR DRAWING CREATION
Auto Cad TERMINAL

FIG. 2

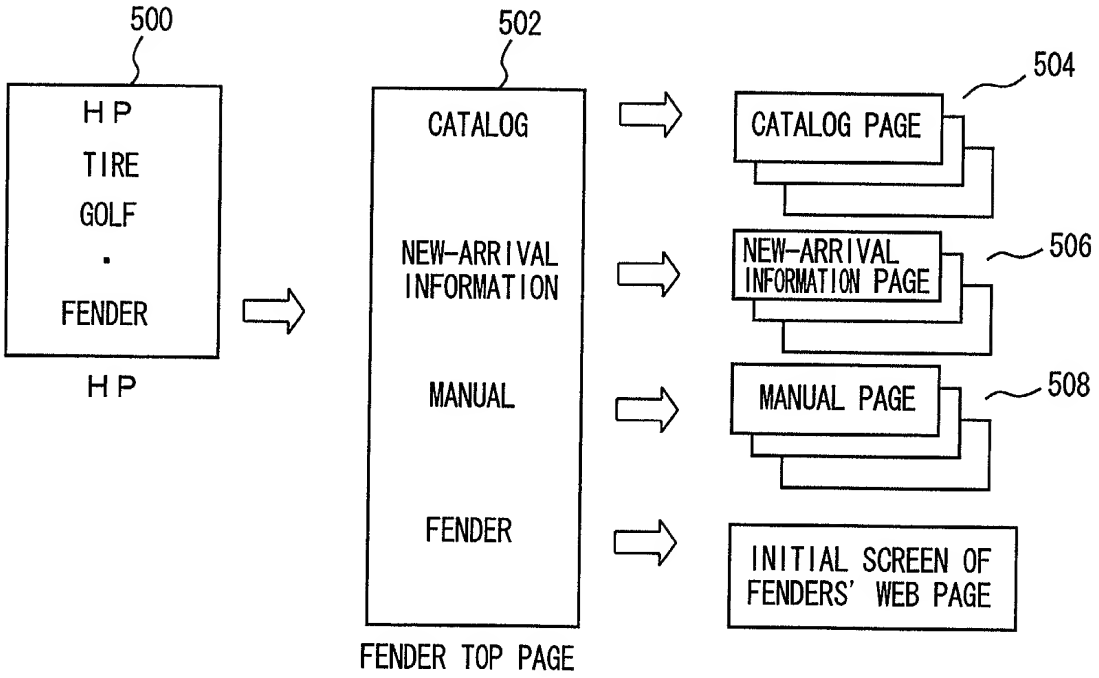

500
HP
TIRE
GOLF
·
FENDER
HP
502
CATALOG
NEW-ARRIVAL INFORMATION
MANUAL
FENDER
FENDER TOP PAGE
504
CATALOG PAGE
506
NEW-ARRIVAL INFORMATION PAGE
508
MANUAL PAGE
INITIAL SCREEN OF FENDERS' WEB PAGE

FIG. 3

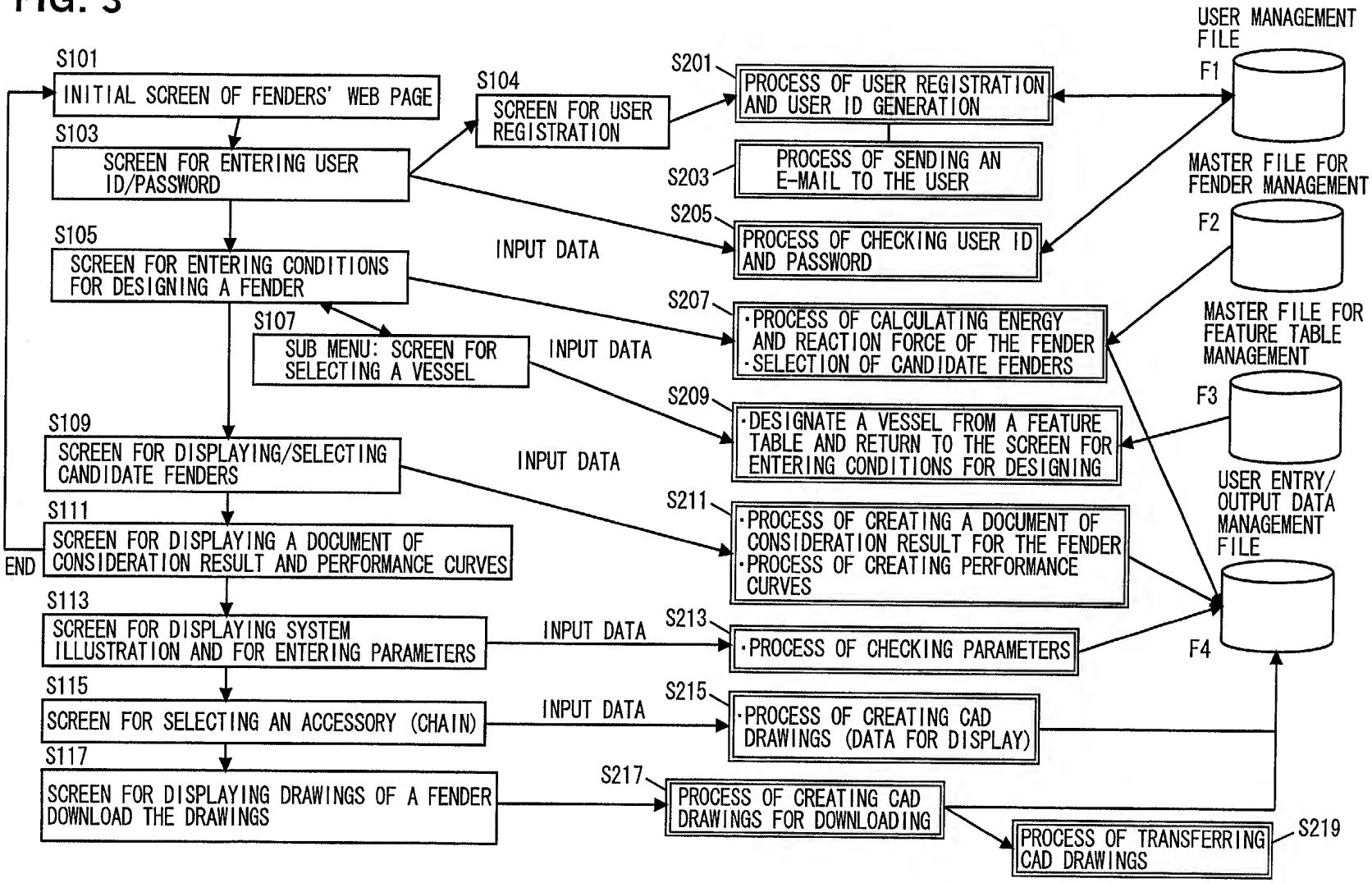

S101
INITIAL SCREEN OF FENDERS' WEB PAGE
S103
SCREEN FOR ENTERING USER ID/PASSWORD
S104
SCREEN FOR USER REGISTRATION
S105
SCREEN FOR ENTERING CONDITIONS FOR DESIGNING A FENDER
S107
SUB MENU: SCREEN FOR SELECTING A VESSEL
S109
SCREEN FOR DISPLAYING/SELECTING CANDIDATE FENDERS
S111
SCREEN FOR DISPLAYING A DOCUMENT OF CONSIDERATION RESULT AND PERFORMANCE CURVES
END
S113
SCREEN FOR DISPLAYING SYSTEM ILLUSTRATION AND FOR ENTERING PARAMETERS
S115
SCREEN FOR SELECTING AN ACCESSORY (CHAIN)
S117
SCREEN FOR DISPLAYING DRAWINGS OF A FENDER DOWNLOAD THE DRAWINGS
INPUT DATA
INPUT DATA
INPUT DATA
INPUT DATA
INPUT DATA
S201
PROCESS OF USER REGISTRATION AND USER ID GENERATION
S203
PROCESS OF SENDING AN E-MAIL TO THE USER
S205
PROCESS OF CHECKING USER ID AND PASSWORD
S207
·PROCESS OF CALCULATING ENERGY AND REACTION FORCE OF THE FENDER
·SELECTION OF CANDIDATE FENDERS
S209
·DESIGNATE A VESSEL FROM A FEATURE TABLE AND RETURN TO THE SCREEN FOR ENTERING CONDITIONS FOR DESIGNING
S211
·PROCESS OF CREATING A DOCUMENT OF CONSIDERATION RESULT FOR THE FENDER
·PROCESS OF CREATING PERFORMANCE CURVES
S213
·PROCESS OF CHECKING PARAMETERS
S215
·PROCESS OF CREATING CAD DRAWINGS (DATA FOR DISPLAY)
S217
PROCESS OF CREATING CAD DRAWINGS FOR DOWNLOADING
PROCESS OF TRANSFERRING CAD DRAWINGS
S219
USER MANAGEMENT FILE
F1
MASTER FILE FOR FENDER MANAGEMENT
F2
MASTER FILE FOR FEATURE TABLE MANAGEMENT
F3
USER ENTRY/ OUTPUT DATA MANAGEMENT FILE
F4

FIG. 4 INITIAL SCREEN

DESCRIPTION OF THE SYSTEM

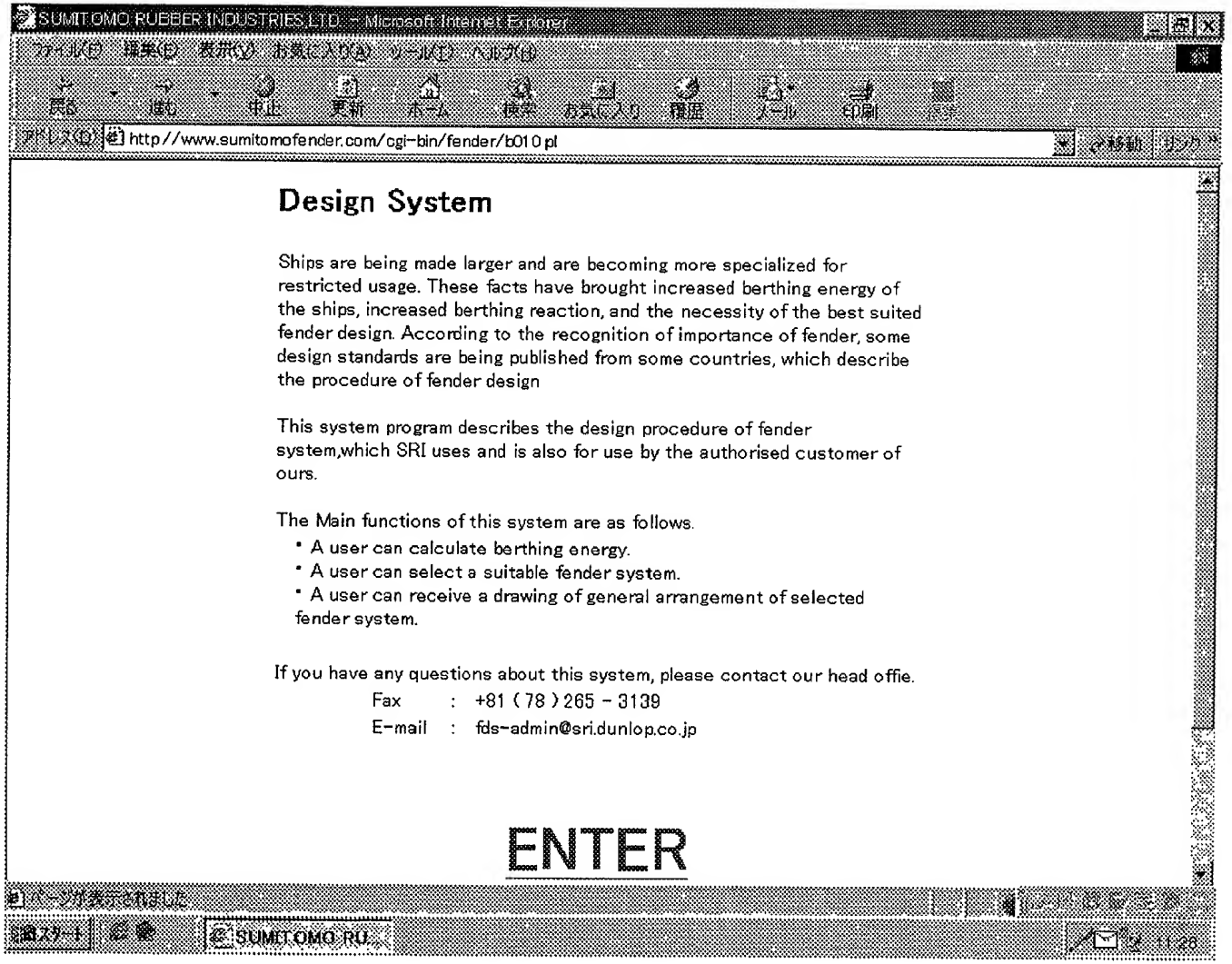


FIG. 5 SCREEN FOR ENTERING USER ID AND PASSWORD

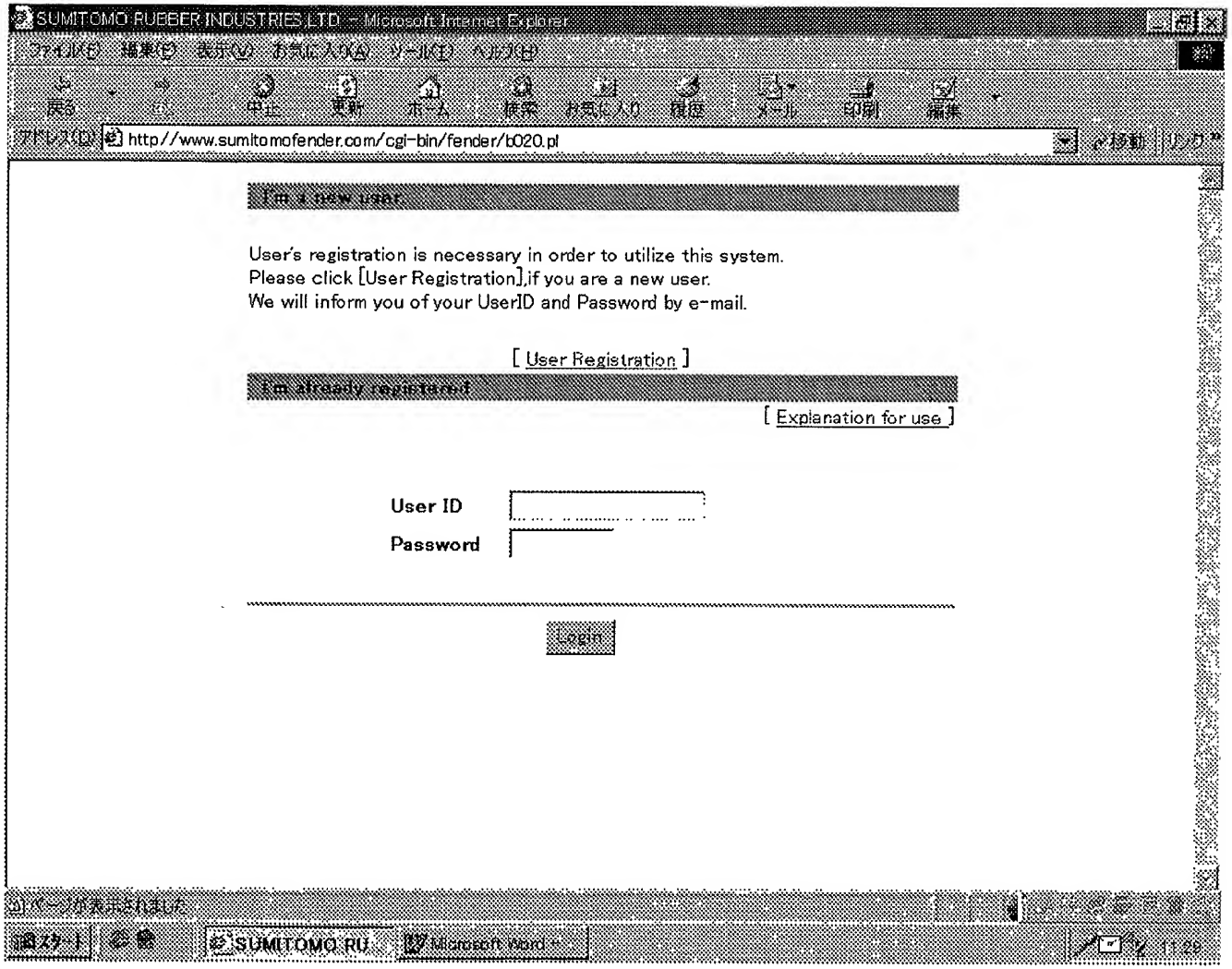


FIG. 6 SCREEN FOR USER REGISTRATION

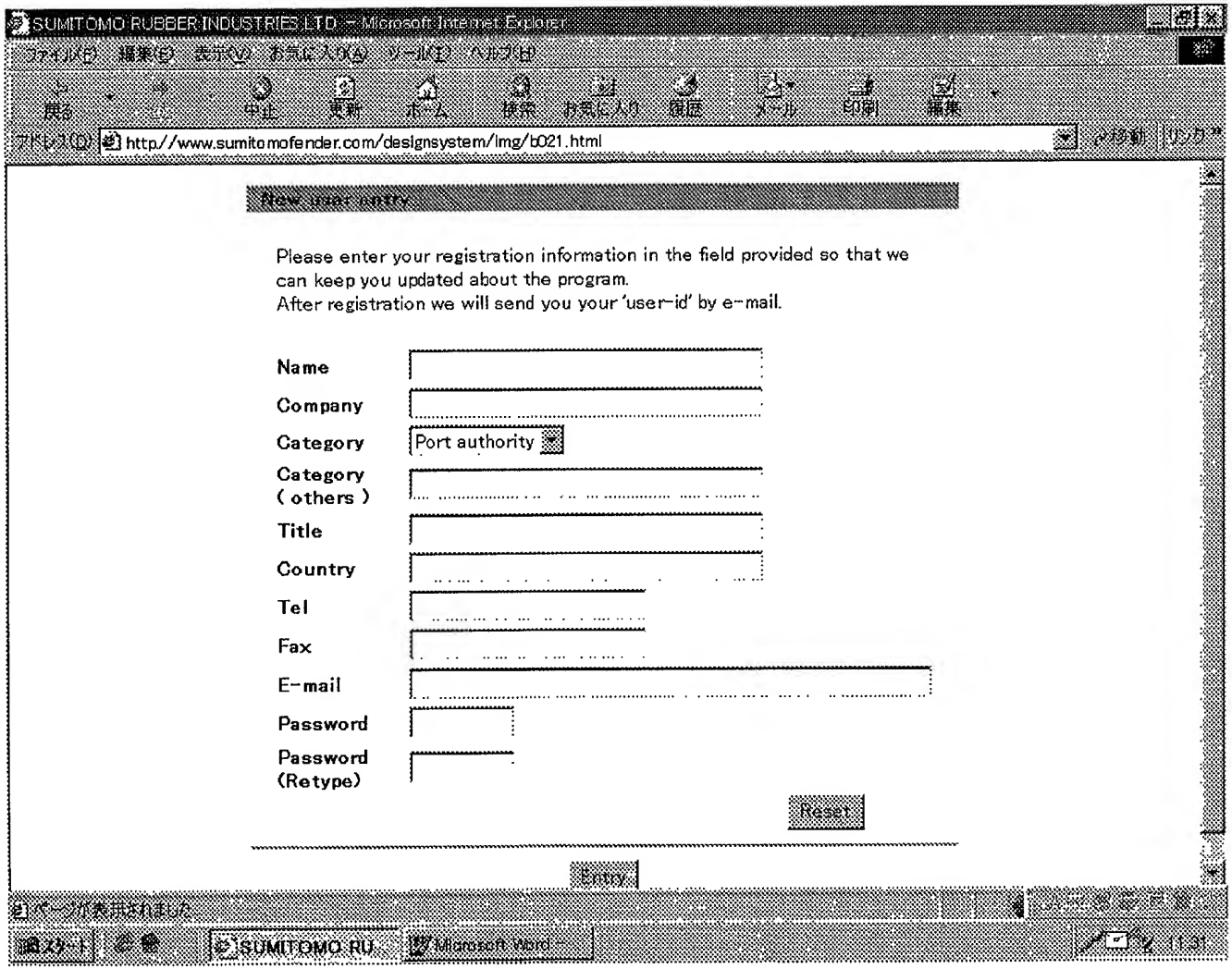
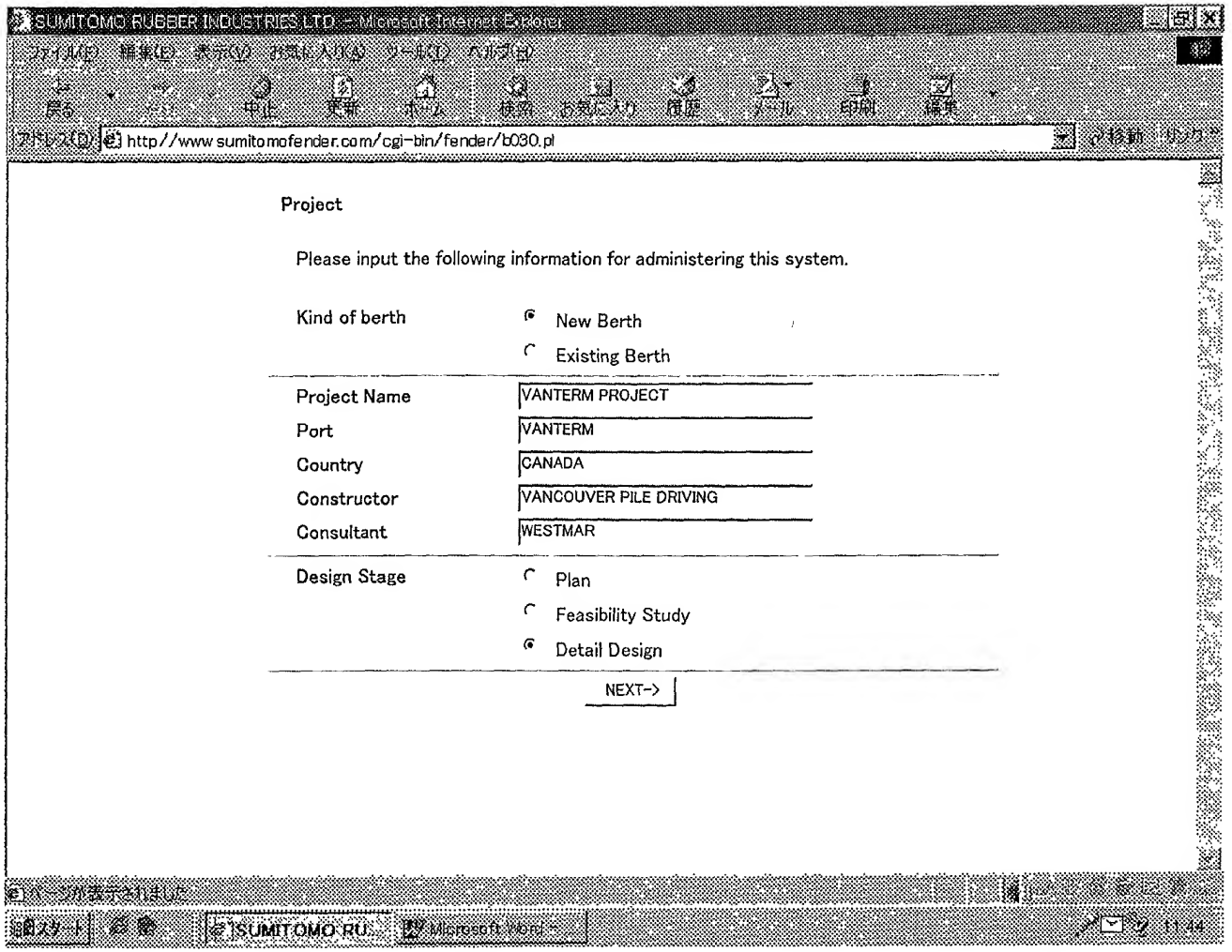


FIG. 7

(THE TOP HALF OF) SCREEN FOR ENTERING CONDITIONS FOR DESIGNING FENDER



EP 0 760 260 A1

FIG. 8

(THE BOTTOM HALF OF) SCREEN FOR ENTERING CONDITIONS FOR DESIGNING FENDER

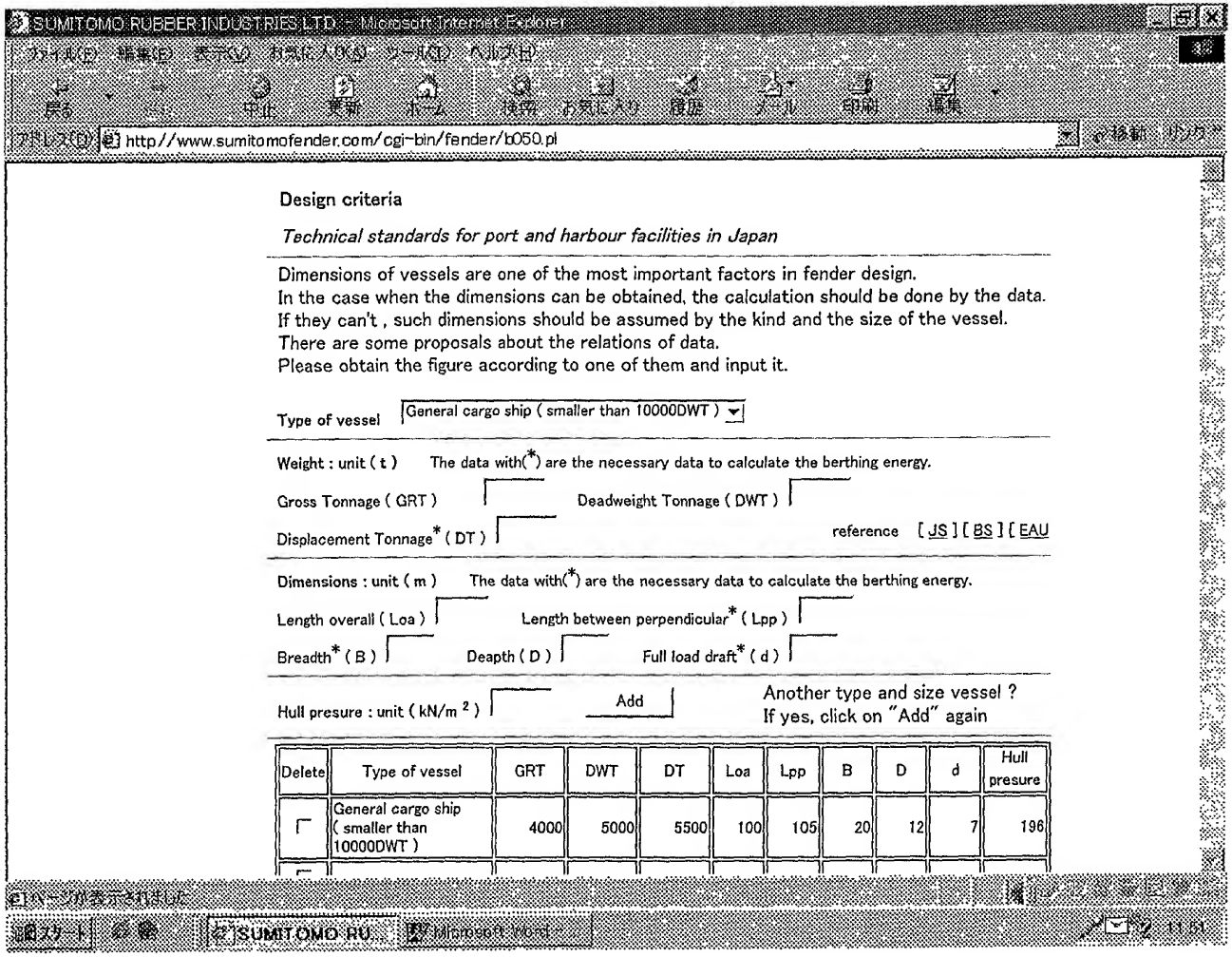
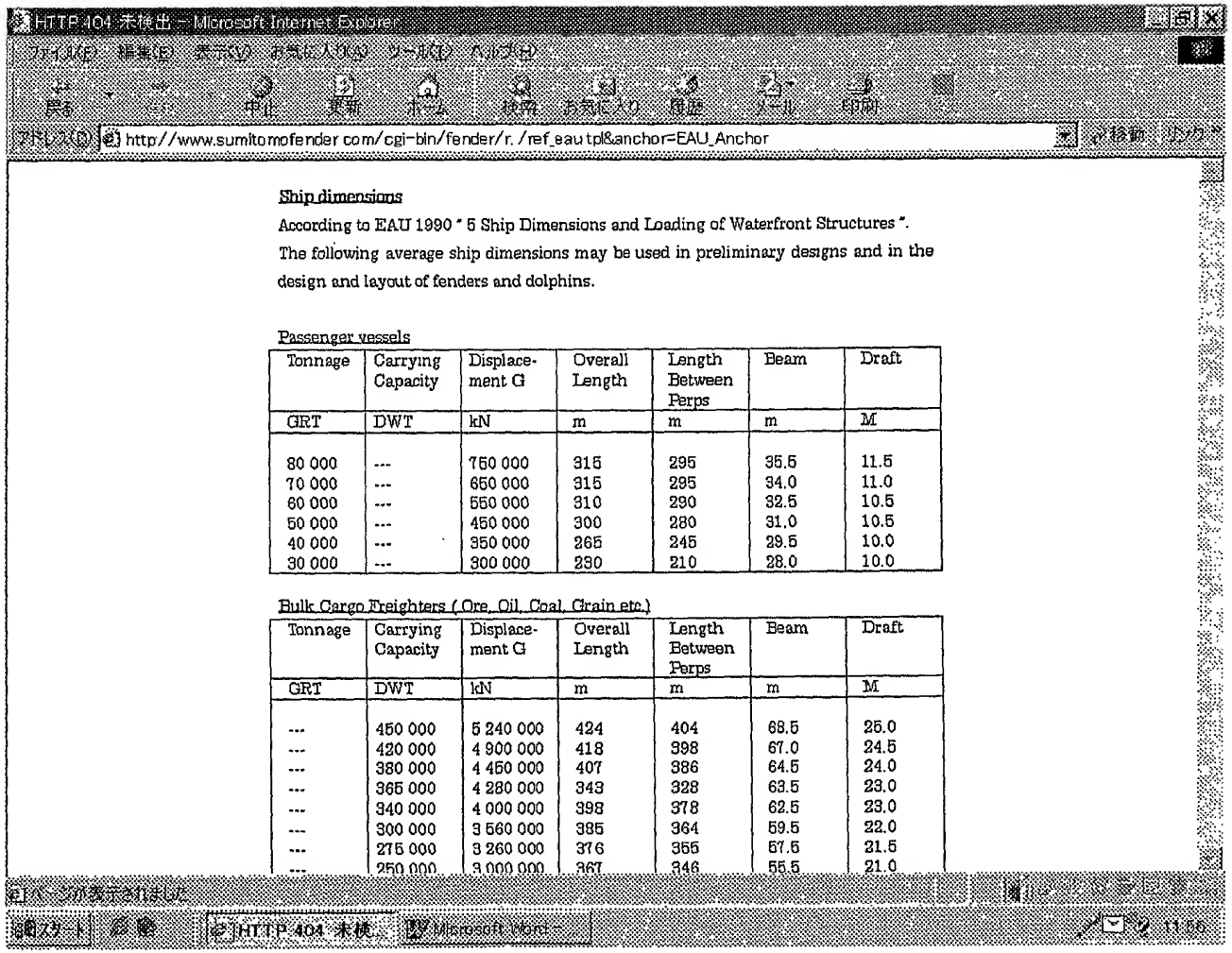


FIG. 9 SCREEN FOR SELECTING VESSEL (SUB MENU)



Ship dimensions

According to EAU 1990 " 5 Ship Dimensions and Loading of Waterfront Structures ".
The following average ship dimensions may be used in preliminary designs and in the design and layout of fenders and dolphins.

Passenger vessels

Tonnage	Carrying Capacity	Displace-ment G	Overall Length	Length Between Perps	Beam	Draft
GRT	DWT	kN	m	m	m	M
80 000	---	760 000	315	295	35.5	11.5
70 000	---	650 000	315	295	34.0	11.0
60 000	---	550 000	310	290	32.5	10.5
50 000	---	450 000	300	280	31.0	10.5
40 000	---	350 000	265	245	29.5	10.0
30 000	---	300 000	230	210	28.0	10.0

Bulk Cargo Freighters (Ore, Oil, Coal, Grain etc.)

Tonnage	Carrying Capacity	Displace-ment G	Overall Length	Length Between Perps	Beam	Draft
GRT	DWT	kN	m	m	m	M
---	450 000	5 240 000	424	404	68.5	25.0
---	420 000	4 900 000	418	398	67.0	24.5
---	380 000	4 450 000	407	386	64.5	24.0
---	365 000	4 280 000	343	328	63.5	23.0
---	340 000	4 000 000	398	378	62.5	23.0
---	300 000	3 560 000	385	364	59.5	22.0
---	275 000	3 260 000	376	355	57.5	21.5
---	250 000	3 000 000	367	346	55.5	21.0

FIG. 10 SCREEN FOR DISPLAYING/SELECTING CANDIDATE FENDERS

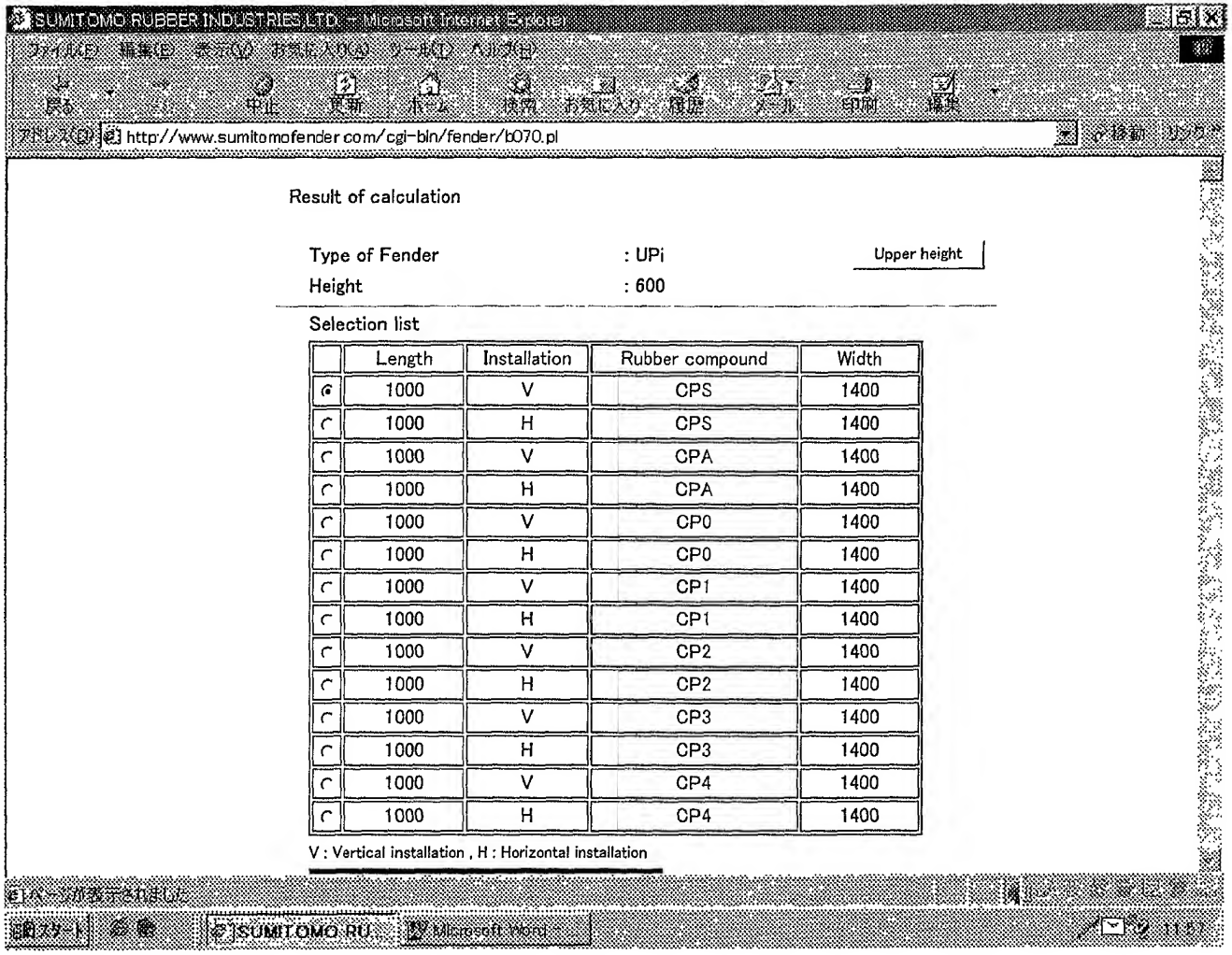


FIG. 11 SCREEN FOR DISPLAYING PERFORMANCE CURVES AND DOCUMENT OF CONSIDERATION RESULTS

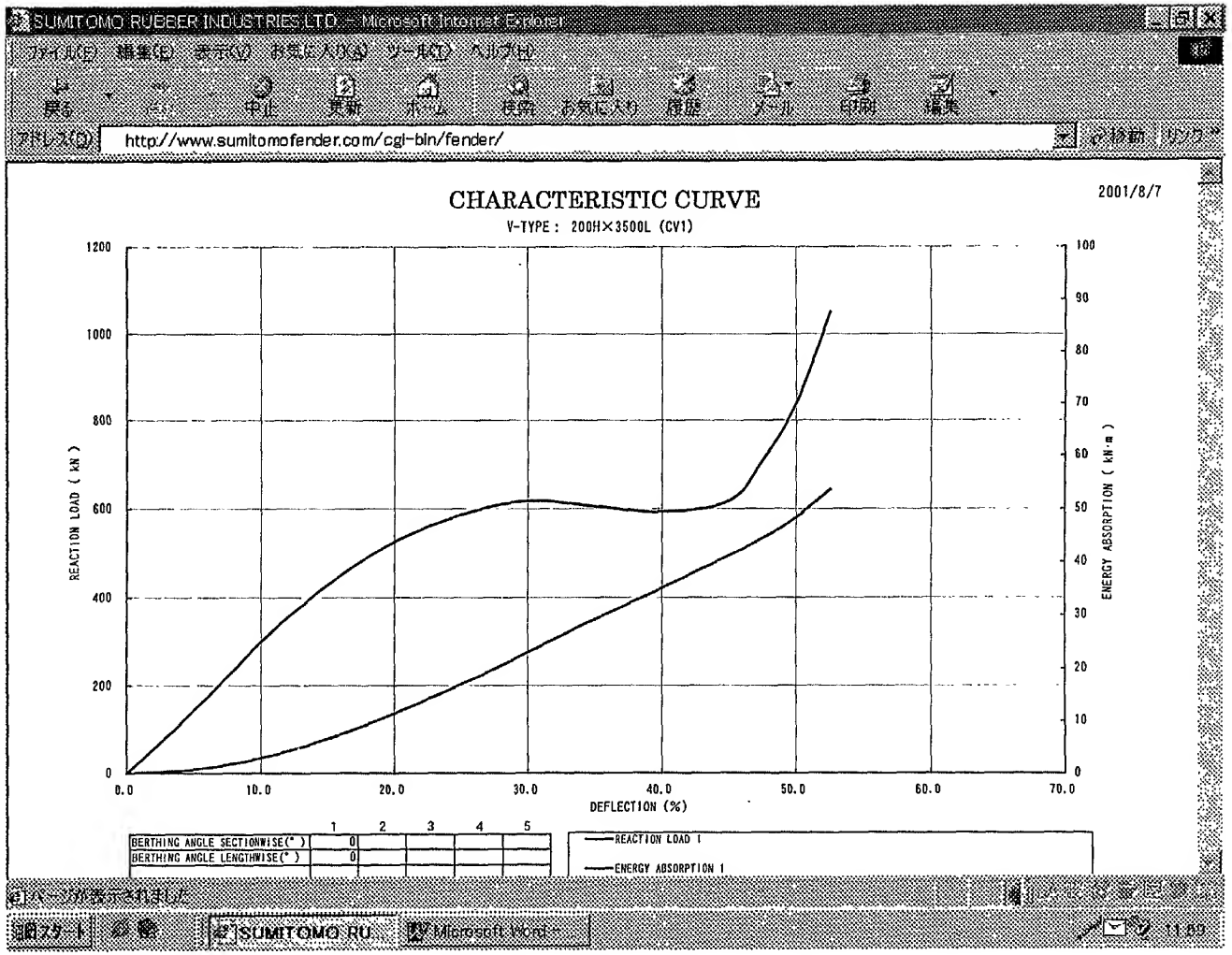


FIG. 12

SCREEN FOR DISPLAYING SYSTEM ILLUSTRATION AND FOR ENTERING PARAMETERS

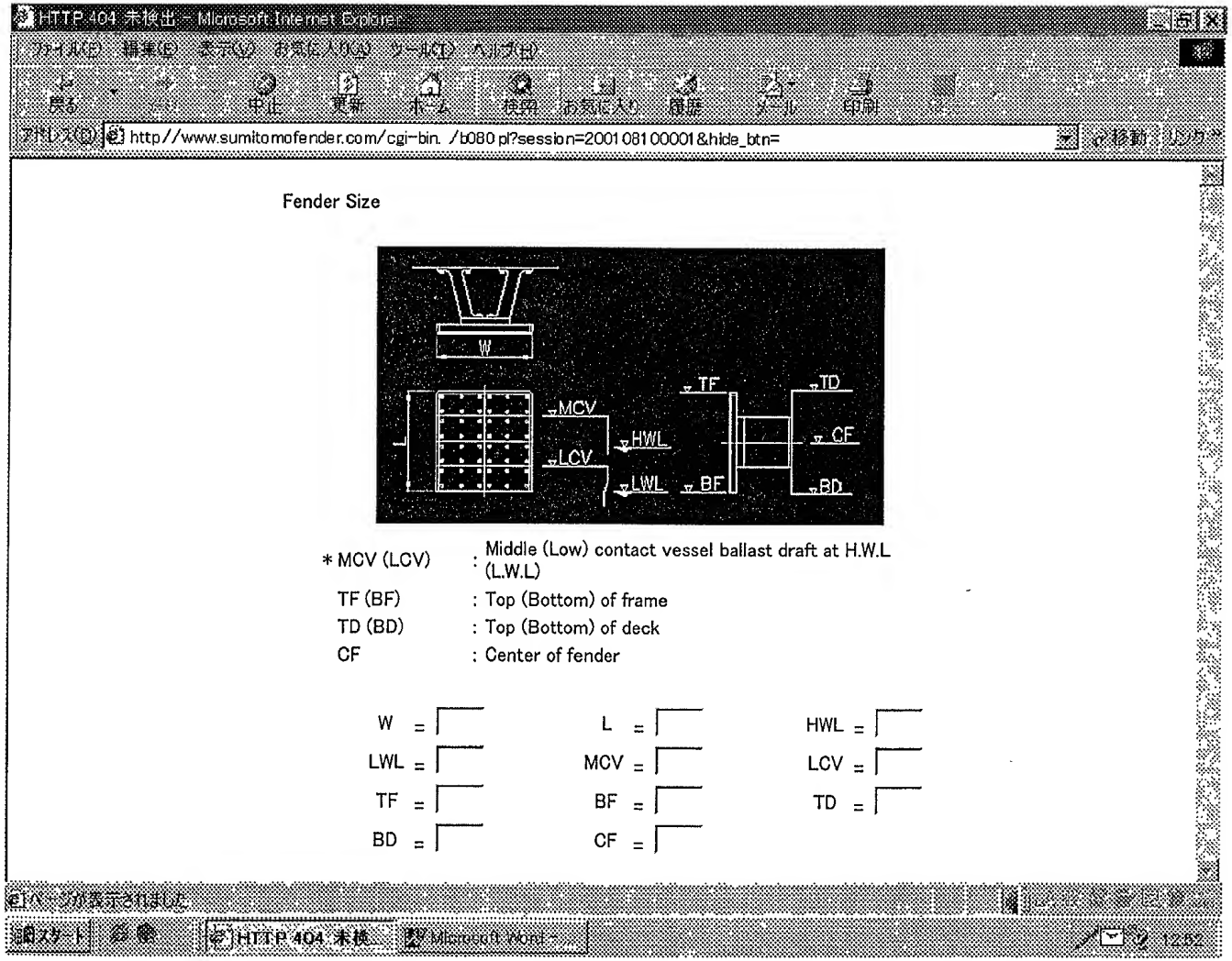


FIG. 13 SCREEN FOR SELECTING ACCESSORY (CHAIN)

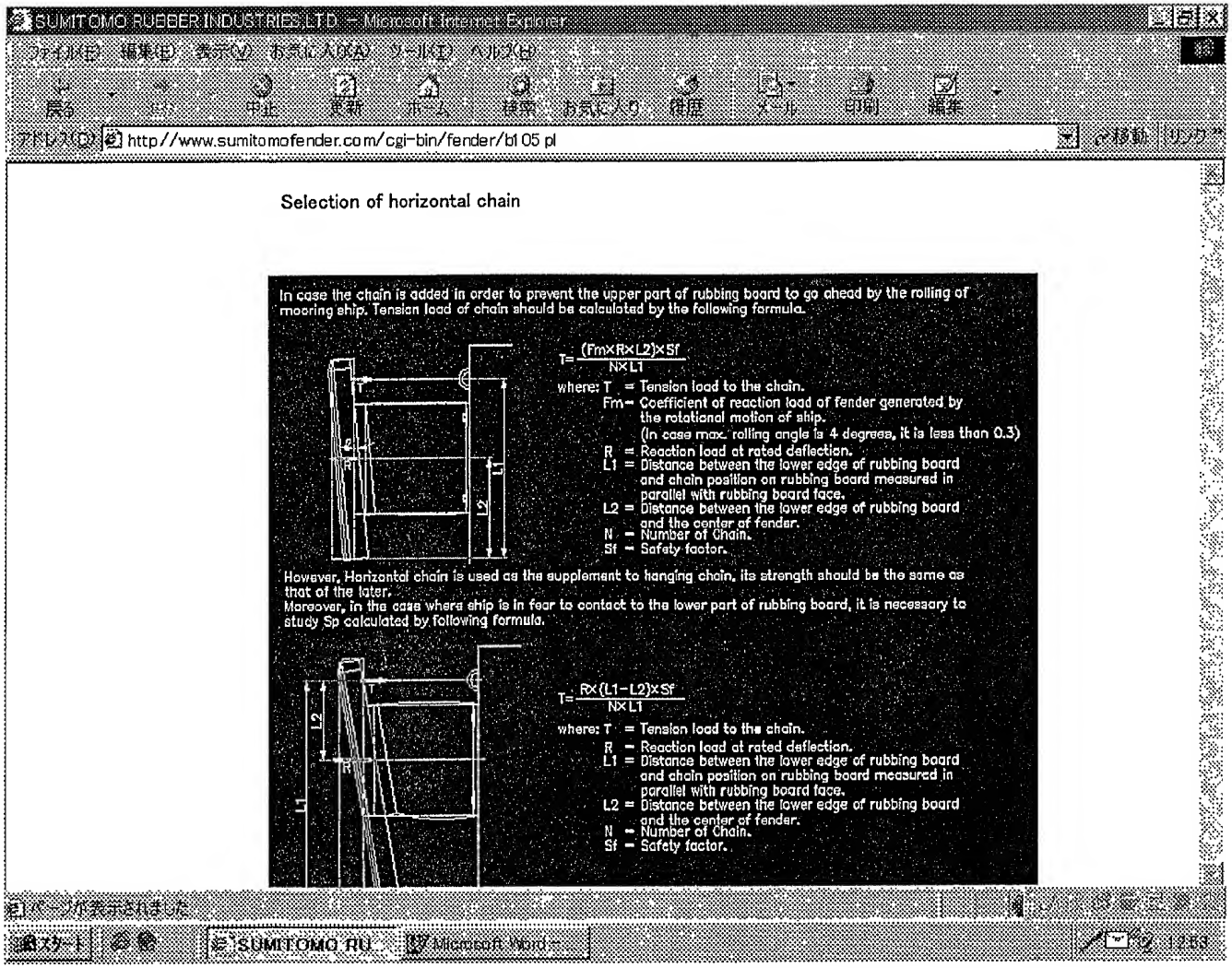
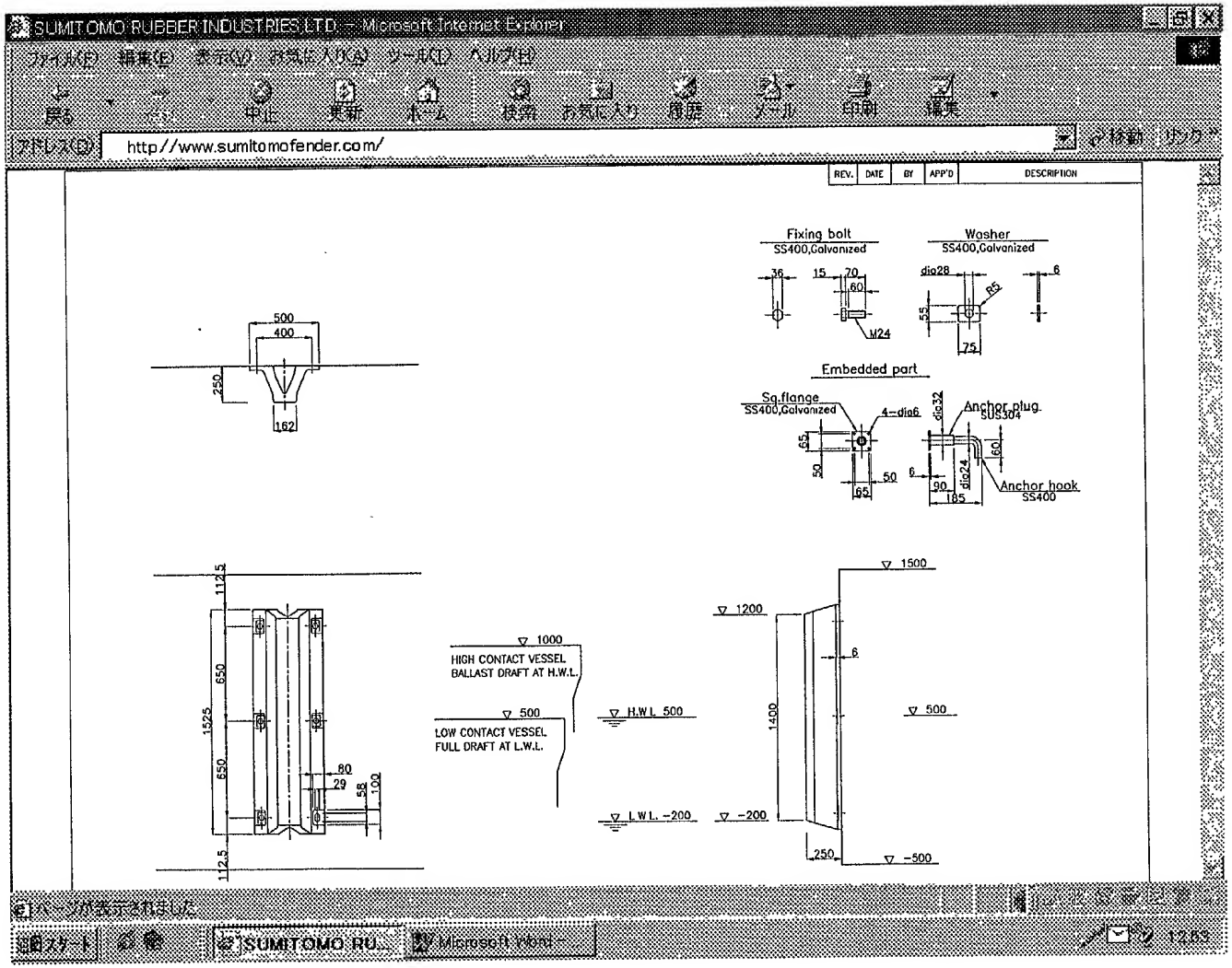



FIG. 14 SCREEN FOR DISPLAYING DRAWINGS